

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Branislav MUSICKI

Examiner:

Application No.:

To Be Assigned

Art Unit:

Filed:

Filed Concurrently Herewith

Title: **Novel heterocyclic compounds, preparation process and intermediates, and use as medicaments, in particular as β-lactamase inhibitors and antibacterials**

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UNDER 37 C.F.R. 1.56, 1.97 AND 1.98

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Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

(a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. **18-1982**.

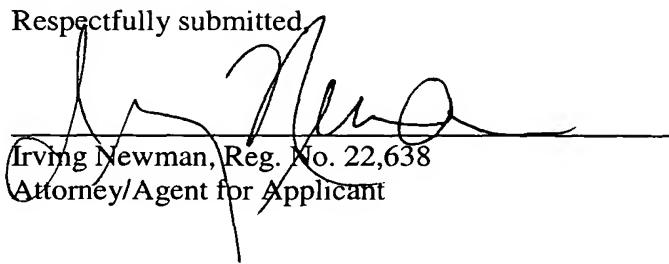
(b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.

(1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;

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(3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Respectfully submitted,


Irving Newman, Reg. No. 22,638
Attorney/Agent for Applicant

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Docket No. FRAV2002/0022US NP

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PTO/SB/08A (10-96)

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Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

2

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First Named Inventor	MUSICKI
Group Art Unit	
Examiner Name	

Attorney Docket Number FRAV2002/0022 - US - NP

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AMES D E et al, Cinnolines. II. The structures of N-methylcinnolones, J. Chem. Soc., 1963, 4924-9, pp 4928	
		GROSZKOWSKI Stefan et al., Synthesis of new derivatives of [1,2,5]triazepino[1,2-a]cinnoline. I. Synthese of 4-oxo-1,2,3,4-tetrahydrocinnoline hydrochlorides, Acta Poloniae Pharmaceutica, 1989, 46(4), pp 320-326	
		HALL H. K. Jr. et al., 3-Isopropyl-1,3-diazabicyclo[3.3.1]nonan-2-one, a Simple Bicyclic Urea with a Bridgehead Nitrogen Atom, Journal of Organic Chemistry, 1972, Vol. 37(5), pp 697-699	
		HALL H. K. Jr. et al., Anti-Bredt Bridgehead Nitrogen Compounds in Ring-Opening Polymerization, Chemical Reviews, 1983, Vol. 83(5), pp 549-555	
		HALL H. K. Jr. et al., Anti-Bredt Molecules. 3.1a 3-Oxa-1-azabicyclo[3.3.1]nonan-2-one and 6-Oxa-1-azabicyclo[3.2.1]octan-7-one, Two Atom-Bridged Bicyclic Urethanes Possessing Bridgehead Nitrogen, J. Org. Chem., 1980, Vol. 45(26), pp 5325-5328	
		NICOLAOU K C et al., New Synthetic Technology for the Rapid Construction of Novel Heterocycles - Part 2. The Reaction of IBX with Anilides and Related Compounds, Agnew. Chem. Int. Ed., 2000, Vol. 39(3) pp 625-628	
		STANCZAK Andrzej, Synthesis of N-benzyl-4-oxo-1,2,3,4-tetrahydrocinnolines, Acta Poloniae Pharmaceutica, 1997, 54(5), pp 381-387	

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